

Approved
1/14/03

6943277



GN CAGCATT CCTCTAAGGGATNCAATNNGCTGCCGAGGCCACACTCATTCCCCATNCCC
TCAAATCTGTGGTGATTAAACATTCTAGGAGGANTTATGGATNCCTTAAAANCCTAATT
CTCCCTGCTGCCAAATCATTCTCAGCATCCTGCCAGCAAAAANCANCTNTGATCAA
AATNATCCCCGGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGNAGTCCNGGAGATTGCTGAC
CGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATATGAAATATTCAAAGCCGTTGAGT
ATAAAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATTAAGATGGATGTAGGGGGTGGTTGTTT
CACCCACATAAAAGTCTCAAGGATCTTCTGAAAGAATAATTGGAACTTACTGGTTACCAG
ACTAACAAAACCGAGGATGATGAGCTGACCTACTTCTAAGCAGCAAATTCTAAAGTGACCTGAT
TCCTCTCATTGTAAGTCAATTGATTGNCATCAATAAGAATATTCTCCA (SEQ ID NO:1)

FIGURE 1

09/104/00



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TECH CENTER 1600/2900

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GNCAGCATTCTAAGGGATNCAATNNGGCTTCCCCGAGGCCACACTCATTCCCCA
 TNCCCTCAAATACTGTGGTATTAAACATTCTAGGAGGANTTATGGATNCCTTAAA
 ANCCTAATTCTCCCTGCTTGCCTAAATATTCTTCAGCATTCTGCCAGCAAAAANC
 ANCTTNTGATCAAATNATCCCCGAGGCTTACGGGAGGCCAGACCTGCCACAGCAGN] A
GTCCNGGAGATTGCTGACCGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATAT
GAAATATTCAAAGCCGTTGAGTATAAAACTCAAGTTGTCGCTGGAGTCATTACTTCATT
AAGATGGATGTAGGGGGTGGTTGTTCACCCACATAAAAGTCTCAAGGATCTTCTGGA
AAGAATAATTGGAACCTTACTGGTTACAGACTAACAAACCGAGGATGATGAGCTGAC
CTACTTCTAACGAGCAAATTCTAAAGTGACCTGATTCTCTCATGTAAACTGATTGNC
CATCAATAAGAATATTCTCCA]

Sub #8

FIGURE 2A

07/19/04/80

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1/14/07

JC 66
OCT 28 2002
10 MARK OFFICE

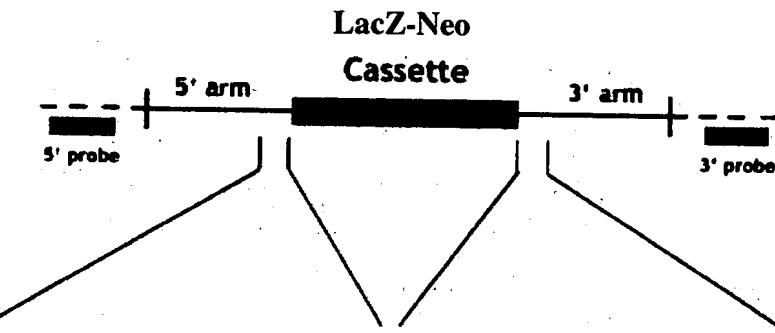
Gene Sequence
Structure* 238 bp Sequence Deleted 436 bp

Size of EST: 559 bp

Targeting Vector*
(genomic sequence)

Construct Number: 2757

Arm Length:
5': 1.2 kb
3': 3 kb



— Targeting Vector
- - - - Endogenous Locus

* Not drawn to scale

<p>5' >CGAGGCCACACTCATTCCCC ATTCCCTCAGATACTGTGATGATT ATACATTGATAGGAGGAGATTAT GGATACCTTAAAATTCTAAGTCT CCCTGCTTGCAGATCATTCTTC TCAGCATTCTGCCAGCAAAGAAG CAACTCGTGATCAGAATGATAACC GGAGGGTTGATGGAGGCCAGACCT GCCACAGCAGA<3' (SEQ ID NO:2)</p>	<p>5' >ACTGGTTACCAAGACTAACAA ACCGAAGATGATGAACTGACCTAC TTCTAAGCAGCAAATTCTAAAGTC ACCTGATTCCCTCTCATTGTAAACT GATGCGGCCATCAATAAAGAAATA TTCTTCAAATAAAAAAAAAAAAAGA AAGAACATTCTAACACAATACAA TCCAAAGATGTACTGATTGATGTT TACATACTCAG<3' (SEQ ID NO:3)</p>
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FIGURE 2B